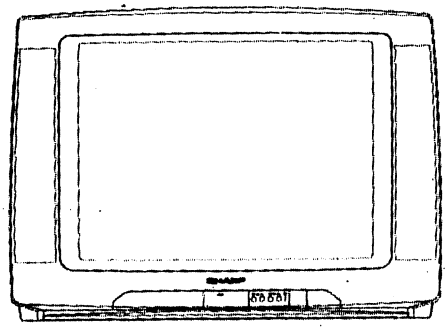
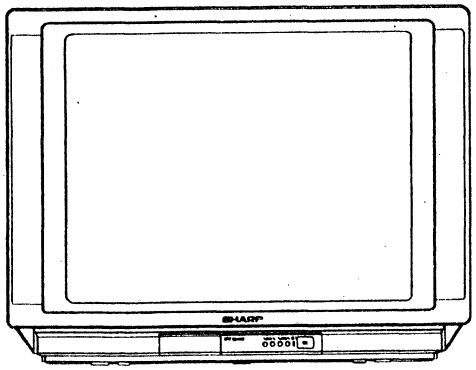
SHARP SERVICE MANUAL

SELL70DS03FP2

CA10 - CHASSIS



54DS03FP



70DS03FP

PAL SYSTEM COLOUR TELEVISION

54DS-03FP
MODELS 70DS-03FP

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

ELECTRICAL SPECIFICATIONS

Power Input .....220—240 Volts AC 50 Hz
Power Consumption .....145 W

Audio Power Output Rating .....10 W (M.P.O.) x2
Speaker .....6.5 cmX13.4 cm
Voice Coil Impedance .....8 ohms x 2 units

Convergence .....Self Converging System
Focus .....Bi-Potential Electrostatic
Sweep Deflection .....Magnetic

Intermediate Frequencies
•Picture IF Frequencies
L'(VHF-L) .....33.9 MHz
L (VHF-H, UHF) B/G .....38.9 MHz

•Sound IF Carrier Frequencies
L'(VHF-L) .....40.4 MHz
L (VHF-H, UHF) B/G .....33.05/32.4 MHz
B/G .....33.05/33.158/33.4 MHz

•Colour Sub-Carrier Frequencies
SECAM L' .....38.15/38.30625 MHz
SECAM L, B/g .....34.65/34.49375 MHz
PAL B/G .....34.47 MHz

Aerial Input Impedance
VHF/UHF .....75 ohm Unbalanced
Tuning Ranges
L/L' .....55.75 MHz thru 855.25 MHz
B/G .....48.25 MHz thru 855.25 MHz
CATV Special Channels

Specifications are subject to change without prior notice .

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

54DS-03FP
70DS-03FP

IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be done by qualified service personnel only.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10 k ohm resistor in series with an insulated wire (such as test probe) between picture tube ground tag and high voltage lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimun. Since certain malfunctions ar servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed:

1. When repairing the circuit, be sure not to increase the high voltage to more than 30.0 kV, (at beam 1000 μA) for the set.
2. To keep the set in a normal operation, be sure to make it function on 25.7kV± 1.5kV (at beam1300 μA) in the case of the set. The set has been factory —adjusted to the above mentioned high voltage. If there is a possibility that high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.
3. Do not substitute a picture tube with unauthorized types and/or brands which may cause excess X-Ray radiation.

BEFORE RETURNING THE RECEIVER

In addition to the checks necessary as a result of a repair having been carried out, the following additional safety checks should also be made before returning the units to the user.

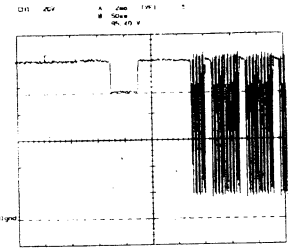
1. Inspect all lead dress to make certain that leads are not pinched or that harware is not logged between the chassis and other metal parts in the receiver.
2. Inspect all protective de vices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustament and compartament covers or shields, insolation resistor-capacity networks, mechanical insulators etc.

REGLAGES DANS MODE DE SERVICE

Tous les reglages necessaires dans cè chassis sont réalises dans le «Service Mode» avec l'exception du reglage des G2.

REGLAGE G2

1) Syntoniser une mire «cross hatch».
2) Connecter l'osciloscope au cathode rouge et aprés régler le GII pour lire 110V (54DS03FP), 145V (70DS03FP) entre les deux niveaux A et B representés au dessin.



NOTE
L'osciloscope doit être réglé pour le trigger "vertical TV field" et sinchronisé avec la signal de video.

FONCTIONS DE "SERVICE MODE"

Pour entrer dans le "SERVICE MODE"
Appouyer simultanement sur V◿ et CH^ puis mettri l'interrupteur general sur marche.
Il apparaitra l'indication "SERVICE MODE" à l'image.
Pour sortir de "SERVICE MODE", arrêtez la television avec l'interrupteur géneral.
Vous pouvez faire tous les règlages avec votre télécommande.
Les seules touches suivates seront necessaires:

vCH^ Pour vous déplacer entre le ménu d'options d'réglage
V◿^ Sont utilisés pour réaliser l'réglage, et la touche de mise en marche "POWER" pour memoriser.

Les options de réglage sont les suivants:
SERVICE SOFWARE
IF PLL ADJUSTMENT
AGC TAKE OVER POINT
EAST-WEST WIDTH (ONLY FOR 70DS03FP)
HORIZONTAL SHIFT
VERTICAL SLOPE
VERTICAL AMPLITUDE
VERTICAL SHIFT
S CORRECTION
EAST-WEST PARABOLA (ONLY FOR 70DS03FP)
EAST-WEST CORNER (ONLY FOR 70DS03FP)
EAST-WEST TRAPEZOID (ONLY FOR 70DS03FP)
RED GAIN
GREEN GAIN
BLUE GAIN
ALTER NVM PAG
ALTER NVM POS
ALTER NVM VAL
AUTOINSTALLATION ON/OFF

REGLAGES AVEC LE «SERVICE MODE»

IF PLL ADJUSTMENT

1. Syntoniser un signal de lignes de couleur (channel 69—855.25Mhz).
2. Appouyer sur la touche de mise en marche "POWER" de la télécomande. L'appareil cherchera automatiquement son réglage.
3. Pour sortir arréter la TV avec l'interrupteur géneral.

AGC TAKE OVERT POINT

1. Syntoniser une signal de lignes de couleur (puissance du signal: 57dB/uV+/-1dB). La frequence doit être sélectionée au centre de la bande du tunner.
2. Appouyer sur la touche de mise en marche de la telecommande. L'appareil cherchera automatiquement son réglage de «AGC».
3. Pour sortir arretez la tv avec l'interrupteur général.

MANIÈRE DE FAIRE LES CORRECTIONS DE GÉOMÉTRIES:

Procedure pour réglage des corrections de Vertical:
-Régler VERT. SLOPE.
-Régler S CORRECTION.
-Régler VERT. SHIFT.
-Régler VERT. AMPLITUDE.

Procedure pour réglage des corrections d'Horizontal:
-Mette le reglage E-W WIDTH au minimum.
-Régler HORIZONTAL SHIFT.
-Régler E-W PARABOLA.
-Régler E-W WIDTH.
-Régler E-W TRAPEZOID.
-Régler E-W CORNER.

E-W WIDTH (ONLY FOR 70DS03FP)

a) Syntoniser une mire façon Philips.
b) Appouyer sur ◿^ le balayage horizontal augmentera.
c) Appouyer sur V◿ le balayage horizontal diminura.
d) Régler l'amplitude horizontal pour obtenir un 9% de balayage (fig. 1)

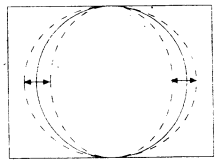


Fig. 1

HORIZONTAL SHIFT

a) Syntoniser une mire façon Philips.
b) Appouyer sur ◿^ l'image se déplacera á gauche.
c) Appouyer sur V◿ l'image se déplacera á droite.
d) Régler la position horizontal pour une imatge située dans le centre (fig. 2).

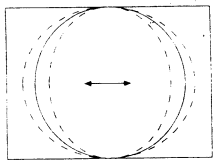


Fig. 2

VERTICAL SLOPE

a) Syntoniser une mire façon "center cross".
b) Régler la ligne central horizontal de maniere à coincider avec la ligne superieur de la surface noire (fig. 3).

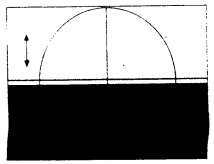


Fig. 3

VERTICAL AMPLITUDE

a) Syntoniser une mire façon Philips.
b) Appouyer sur ◿/\, la largeur vertical de l'écran augmentera.
c) Appouyer sur V◿ , la largeur vertical de l'écran diminuira.
d) Régler la longeur vertical pour obtenir un balayage plus grand (fig. 4).

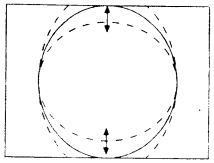


Fig. 4

VERTICAL SHIFT

a) Syntoniser une mire façon Philips.
b) Appouyer sur ◿/\, l'image descendra.
c) Appouyer sur V◿ , l'image montera.
d) Régler la position vertical pour une imatge située dans le centre (fig. 5).

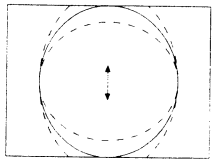


Fig. 5

S CORRECTION

a) Syntoniser une mire façon Philips.
b) Appouyer sur ◿/\, le balayage superieur et inferieur diminuira et le balayage central augmentara.
c) Appouyer sur V◿ , le balayage superieur et inferieur augmentera et le balayage central diminuira.
d) Régler S CORRECTION pour obtenir une image symetrique réferenciée au centre de l'écran (fig. 6).

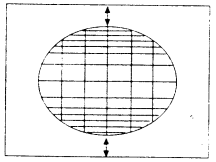


Fig.6

E-W PARABOLA (ONLY FOR 70DS03FP)

a) Syntoniser une mire façon Philips.
b) Appouyer sur ◿/\, les côtes de l'ecran changeront d'efecte cousan à efecte tonneau.
c) Appouyer sur V◿ , les côtes de l'ecran changeront d'efecte tonneau à efecte cousan.
d) Régler E-W PARABOLA pour obtenir le même resultat que la (fig. 7).

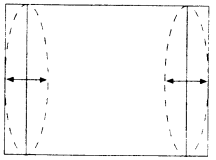


Fig. 7

E-W CORNER (ONLY FOR 70DS03FP)

a) Syntoniser une mire façon Philips.
b) Appouyer sur ◿/\, les côtes de l'écran changeront d'efecte cousan à efecte tonneau.
c) Appouyer sur V◿ , les côtes de l'écran changeront d'efecte tonneau à efecte cousan.
d) Régler E-W CORNER pour obtenir le même resultat que la (fig. 8).

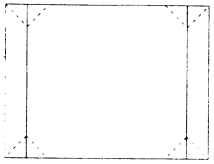


Fig. 8

E-W TRAPEZOID (ONLY FOR 70DS03FP)

a) Syntoniser une mire façon Philips.
b) Appouyer sur ◿/\, les côtes de l'écran changeront.
c) Appouyer sur V◿ , les côtes de l'écran changeront.
d) Régler E-W TRAPEZOID pour obtenir le même resultat que la (fig. 9).

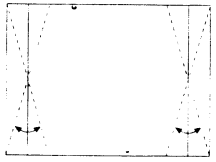


Fig. 9

REGLAGE DE LA COULEUR

Les reglages suivant sont necessaires uniquement quant les tube a été changé.

54DS-03FP
70DS-03FP

•RED GAIN / GREEN GAIN / BLUE GAIN

a) Utiliser les boutons de lumière eet de contraste pour avoir une luminosité de 110 NITS.
b) Entrer en mode service et sélectionner RED GAIN / GREEN GAIN / BLUE GAIN. Ajuster de manière a obtenir les valeurs de la spécification de X et Y.

$X = 0.290 \pm 0.015$
$Y = 0.284 \pm 0.015$

NOTE

Il ne faut pas de modifier le Rouge.
Les positions RED GAIN modifie la coordonnée X
GREEN GAIN modifie la coordonnée Y.
BLUE GAIN modifie la coordonnée X et Y.
c) Sortir du Mode de Service et contrôler les coordonnées de couleur X et Y de 20 et 110 NITS.
Il sera peut-ètre necessaire de repeter cette procedéure.

ACCES AU REGLAGE DE LA NVM

Appuyer sur CH^ pour faire apparâittre la süivante seqüence:

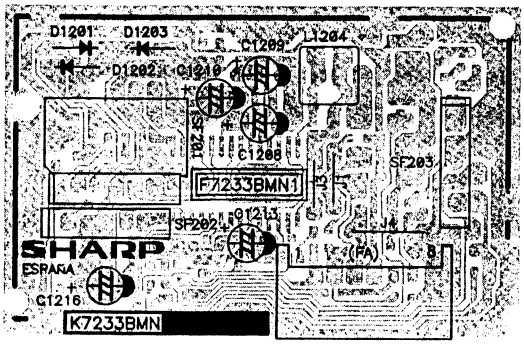
ALTER NVM PAG
CH^
↓
ALTER NVM POS
CH^
↓
ALTER NVM VAL

Pour changer le valuer appouyer V◿/\

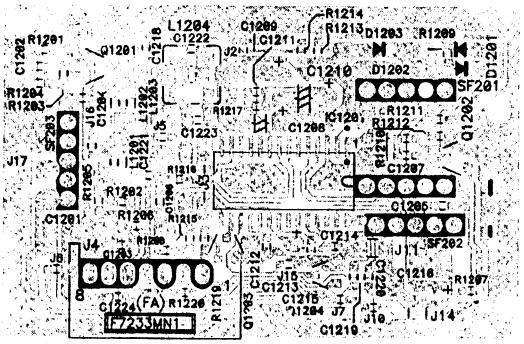
AUTOINSTALLATION OFF/ON

Si vous sélectionez ON, l'apareil effectura une sequence d'autoinstallation quand vous sortirez du SERVICE MODE.

PRINTED WIRING BOARDS

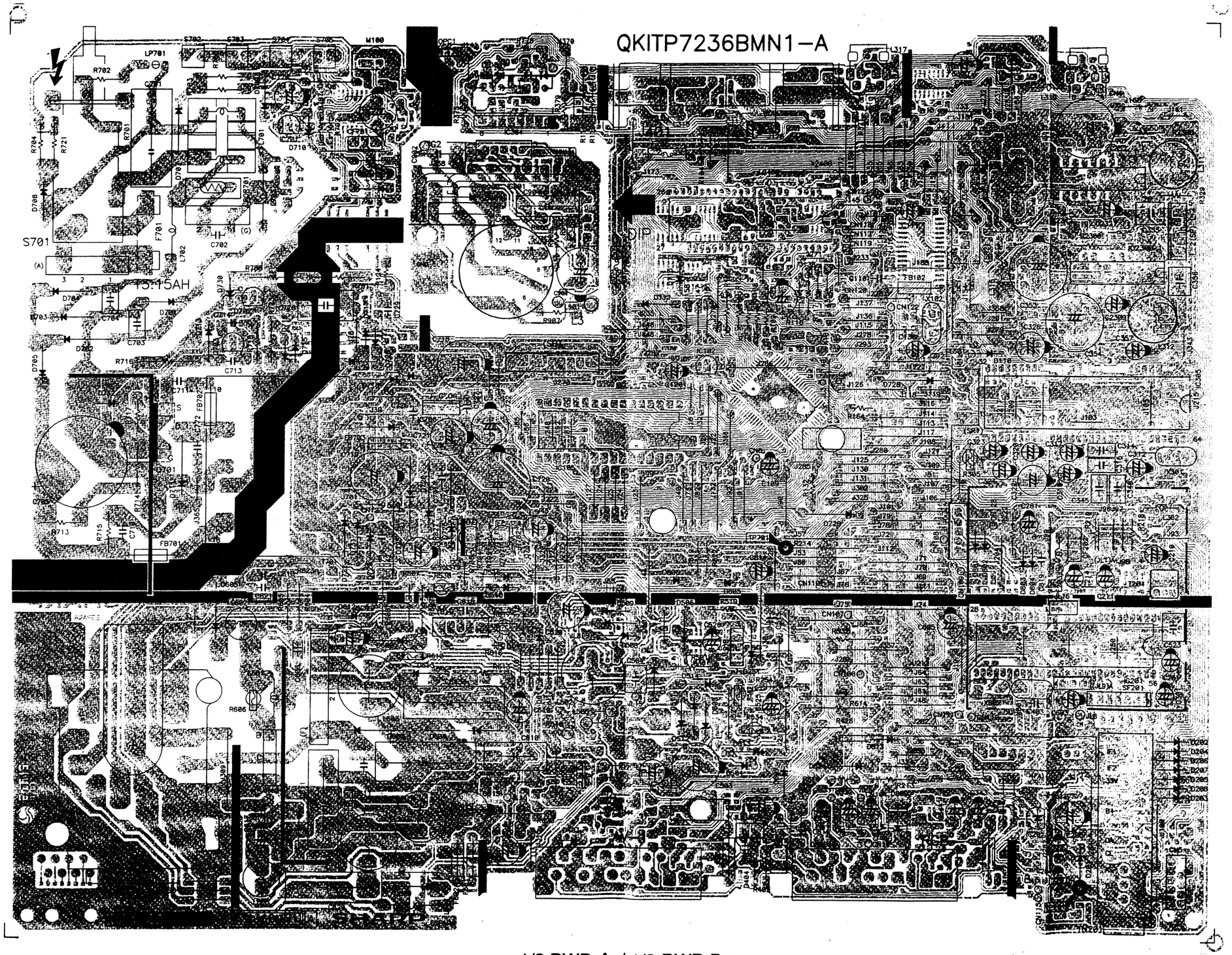


1/2 PWB-C



1/2 PWB-C

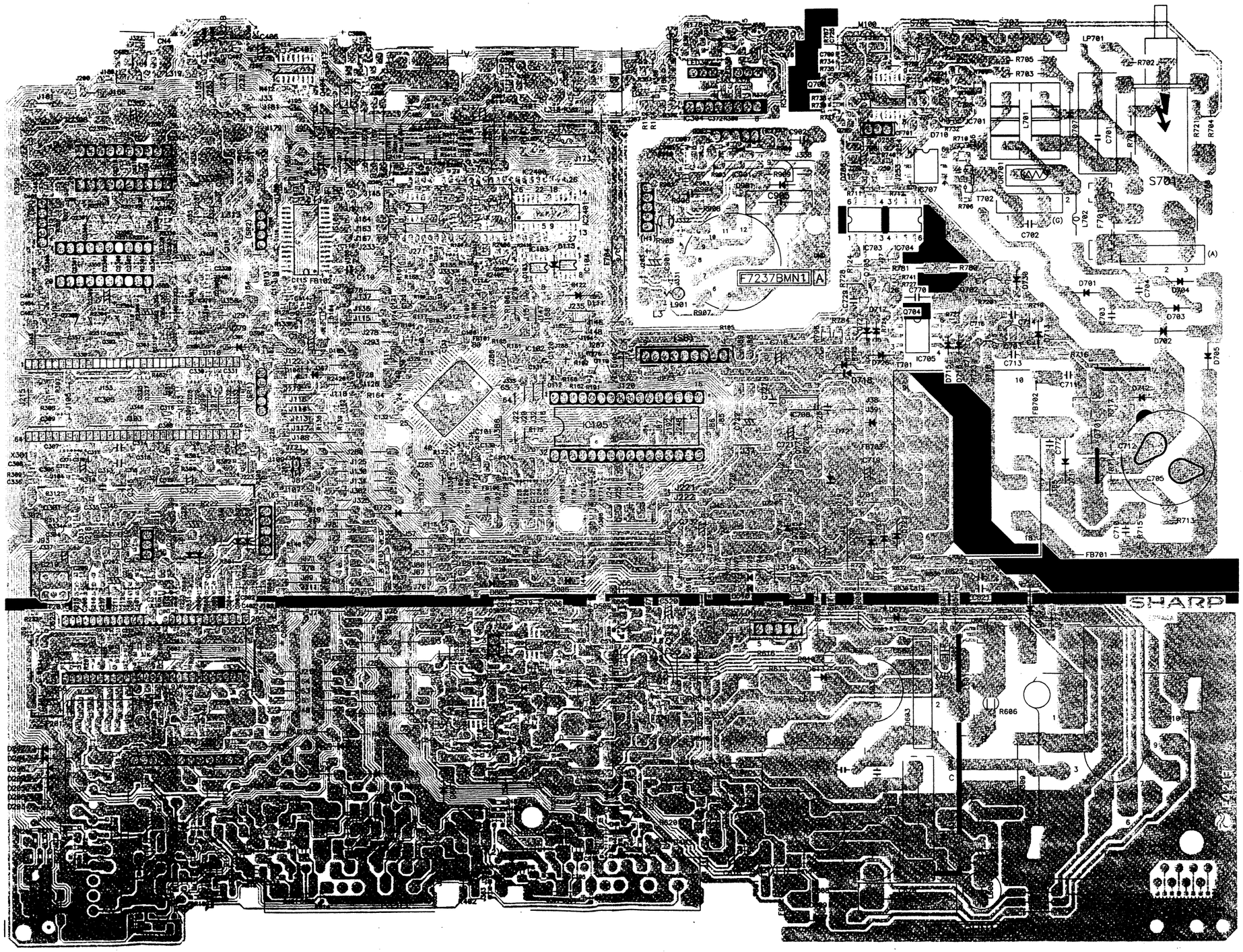
PRINTED WIRING BOARDS 54DS-03FP



1/2 PWB-A / 1/2 PWB-B

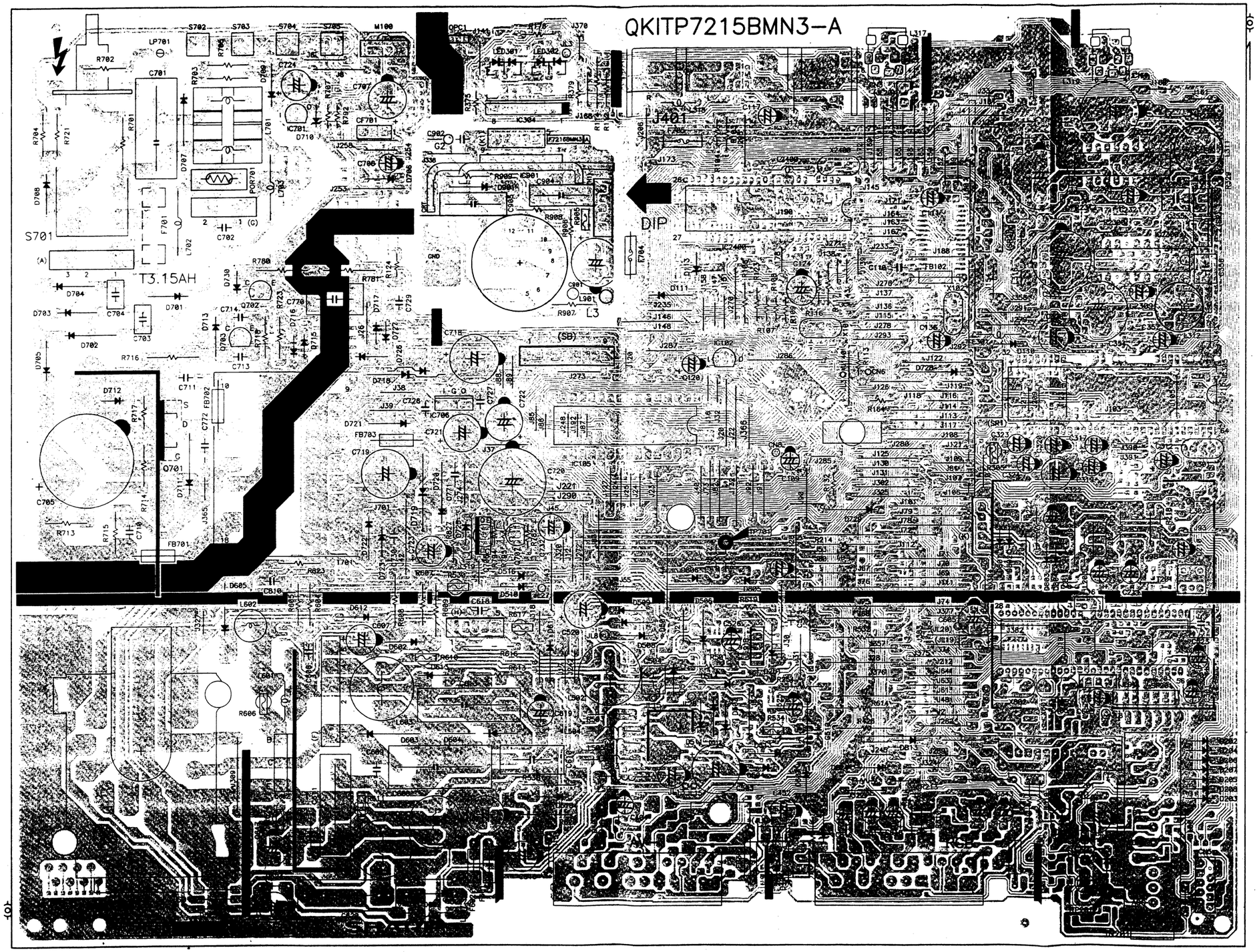
SHAR-04744/ DRUCK 1

PRINTED WIRING BOARDS 54DS-03FP

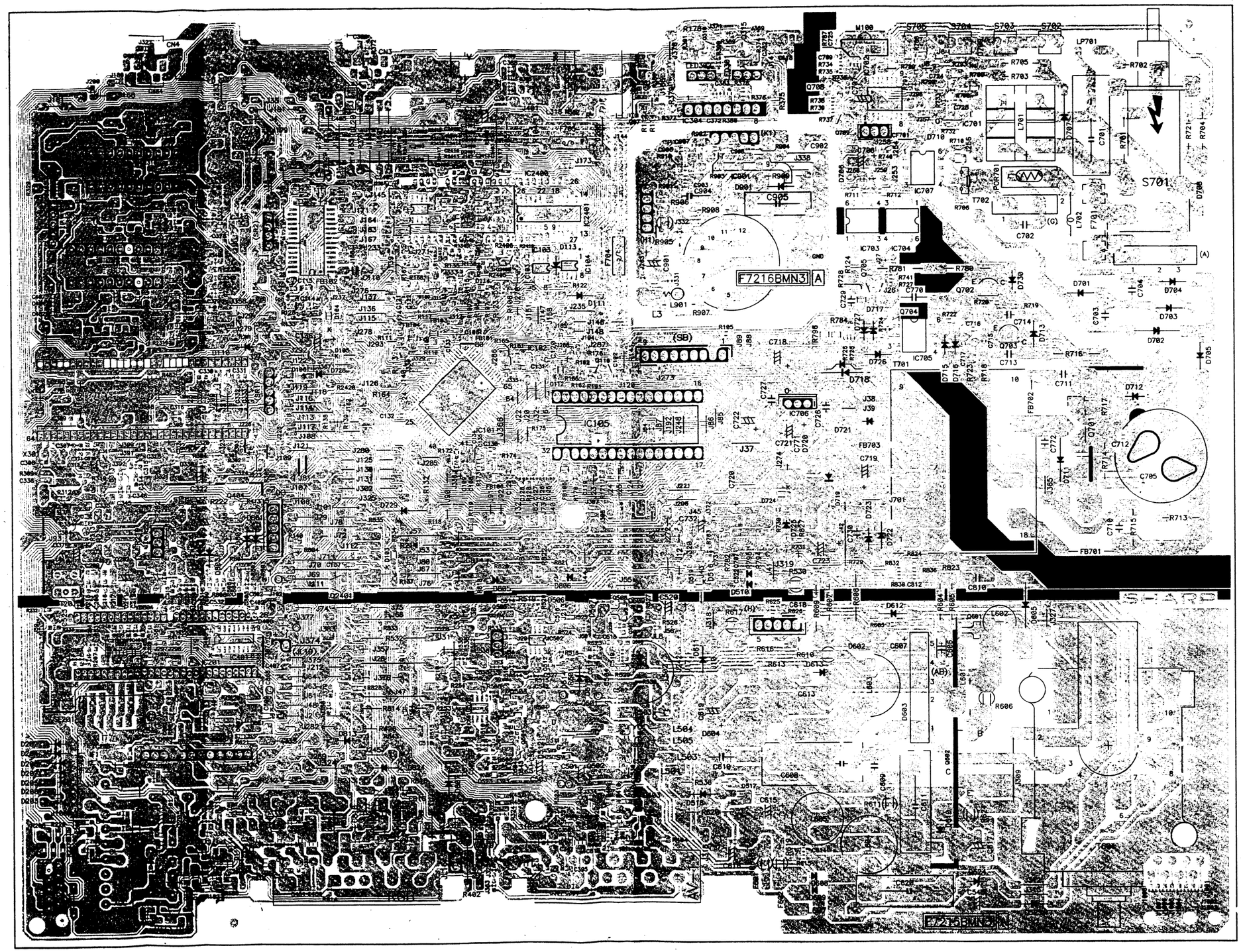


1/2 PWB-A / 1/2 PWB-B

PRINTED WIRING BOARDS 70DS-03FP



PRINTED WIRING BOARDS 70DS-03FP



1/2 PWB-A / 1/2 PWB-B

DESCRIPTION OF SCHEMATIC DIAGRAM

SAFETY NOTE:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULDBE REGARDED AS POTENTIAL SHOCKHAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠ " ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET, BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFOR-MANCE OF THE SET.

SEVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE (■ ■) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE.
WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER.
BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

NOTE:

1. The unit of resistance "ohm" is omitted (K+1000 ohms, M=Megaohm).
2. All resistors are 1/8 watt, unless otherwise noted.
3. All capacitors are μF, unless atherwise noted (P=μμF).
4. The capacitor with Part No. RC-FZ9XXXBMNJ is designed to withstand 63V.

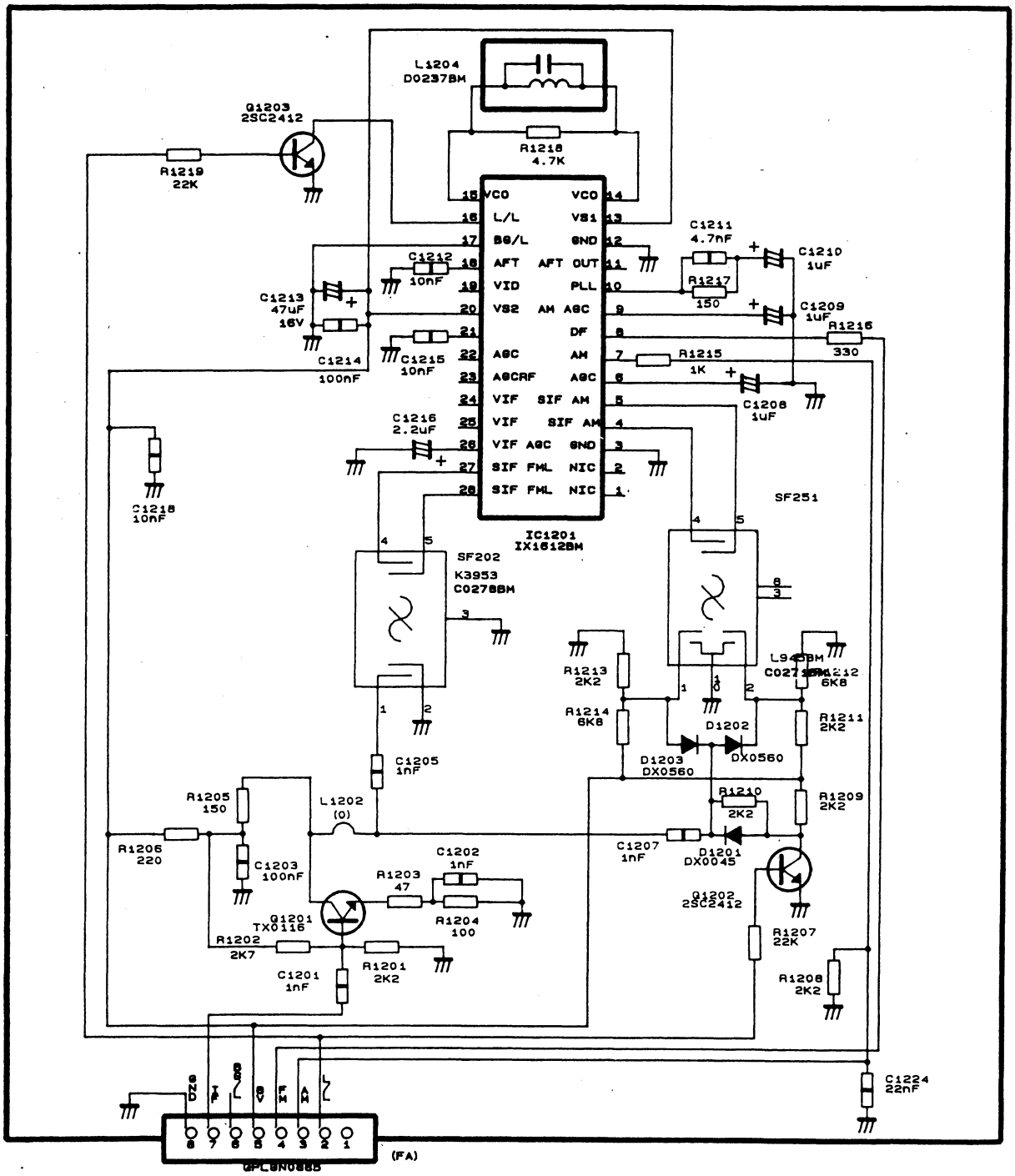
WAVEFORM MEASUREMET CONDITION

Colour bar generator signal of 70 dB from RF input.

CAUTION

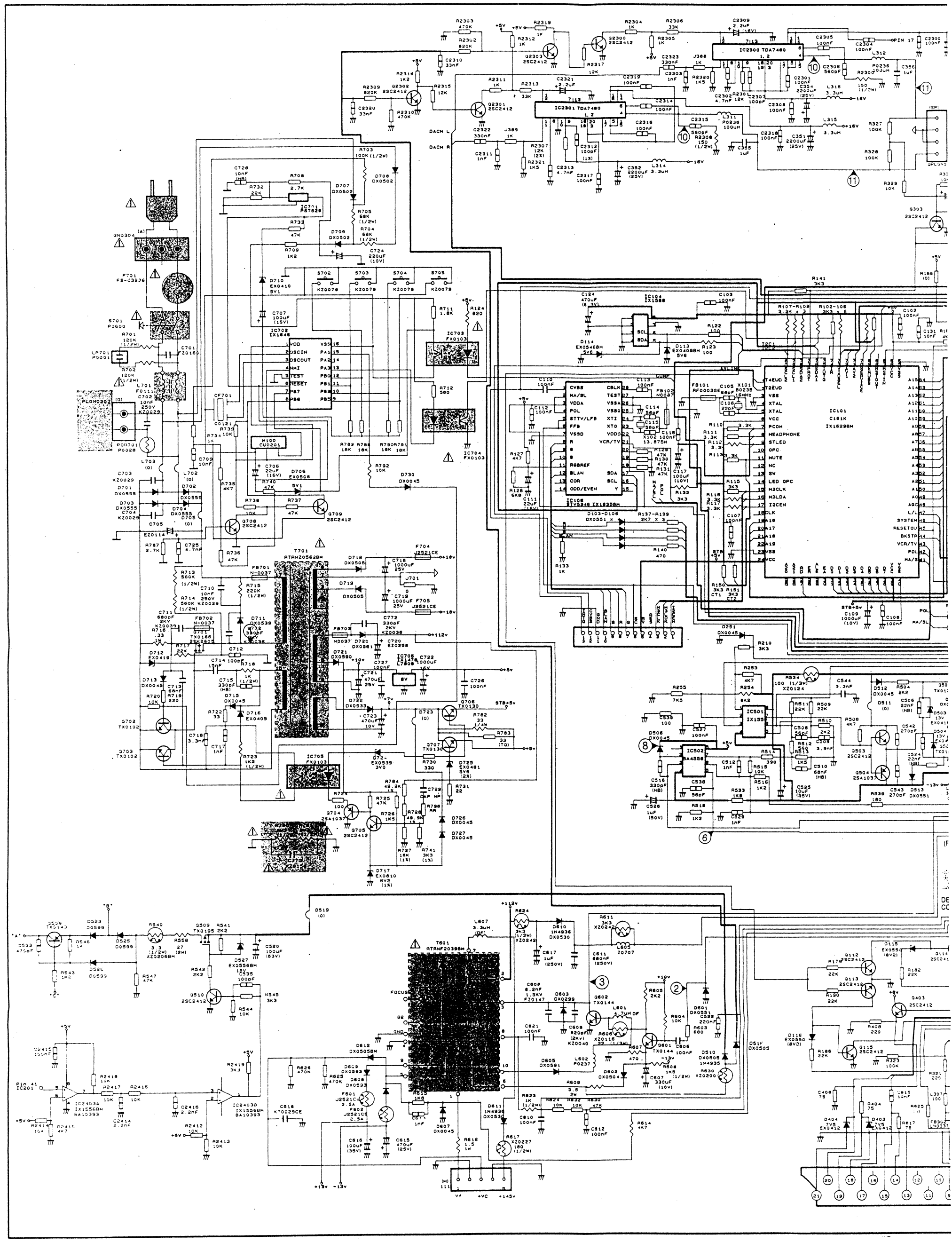
This circuit diagram is original one, therefore there may be a slight difference from yours.

SCHEMATIC DIAGRAM

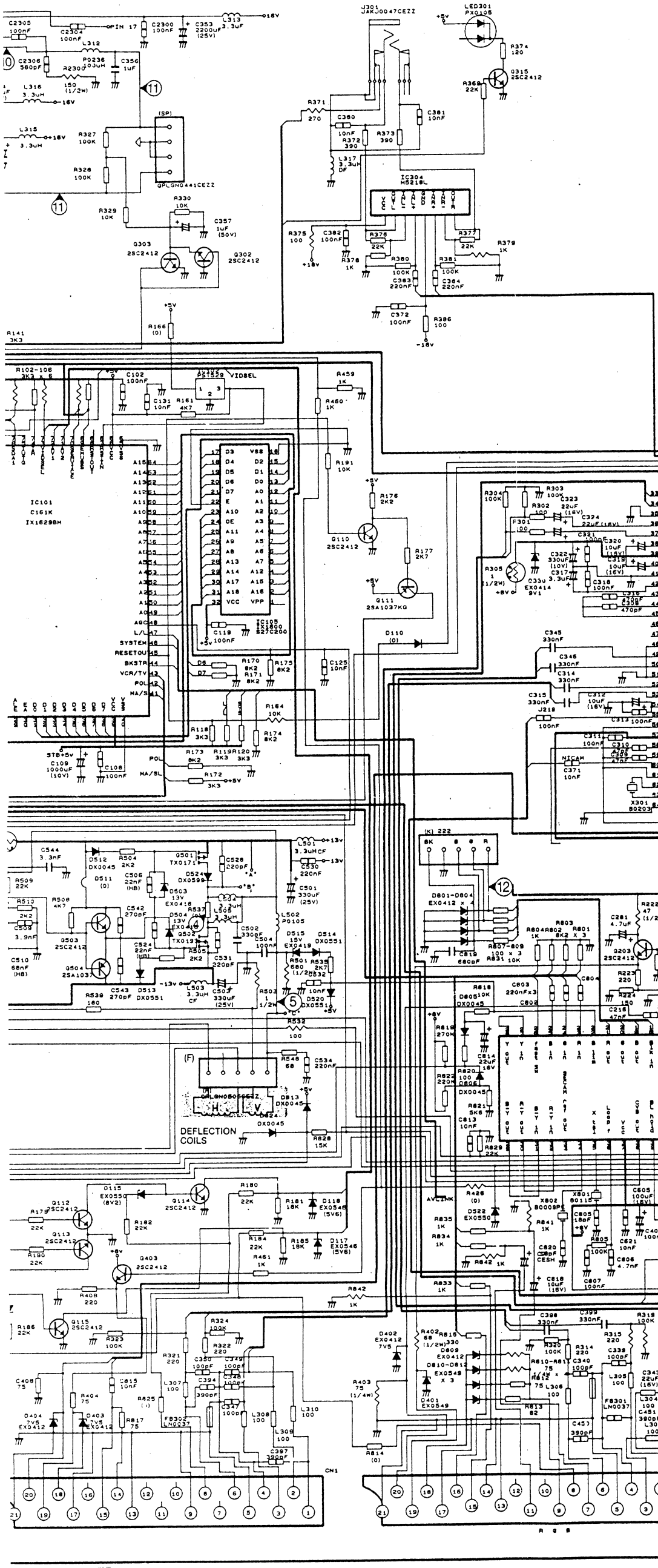


PWB-C

SCHEMATIC DIAGRAM MOTHER UNIT 54DS-03FP



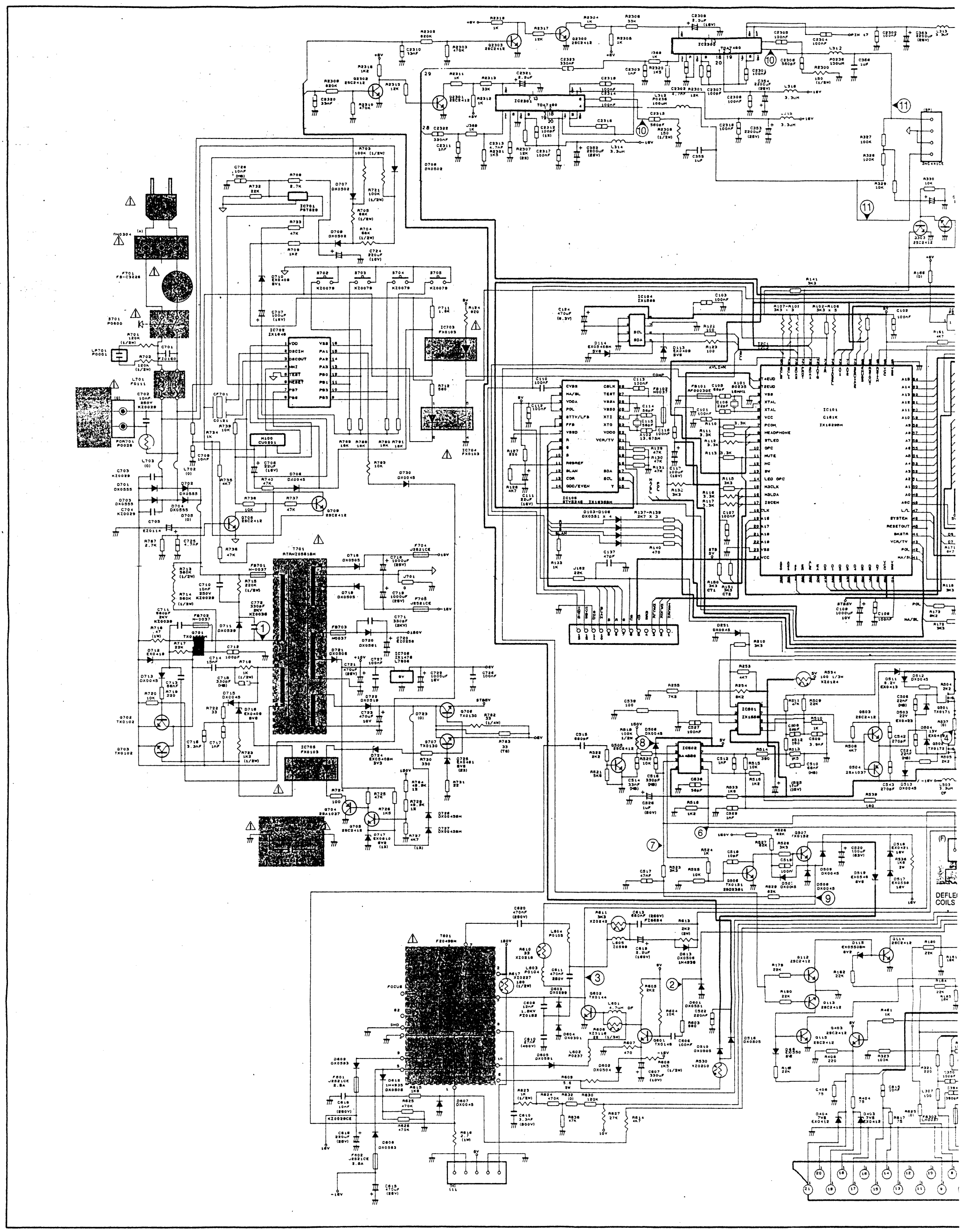
PWB-A / PWB-B



1. 650 Vp-p / 70KHz aprox.
2. 6.24Vp-p /1H
3. 1.28 KVp-p/1-H
4. 38.8 Vp-p/1-V
5. 28.8 Vp-p/1-V
6. 0.62 Vp-p/1-V
7. 1.1 Vp-p/1-V
8. 2.42 Vp-p/1-H
9. 50.4 Vp-p/1-H
10. 38.4 Vp-p/150KHz+AUDIO
11. 16.4 Vp-p/AUDIO
12. 2 Vp-p/1-H
13. 118 Vp-p/1-H
14.

WB-A / PWB-B

SCHEMATIC DIAGRAM MOTHER UNIT 70DS-03FP



PWB-A / PWB-B

C.R.T.
V0103BMZZ ⚠

IC101
C161K
IX1629BH

IC201
TDA8844

IC301
MSP3410D

IC901
TDA8197Q

IC304
M5218L

IC105
IX1600
S27C2001

VIDEL

DEFLECTION
COILS

(1) 650 Vp-p / 70KHz aprox.

(2) 6.24Vp-p /1H

(3) 1.28 KVp-p/1-H

(4) 38.8 Vp-p/1-V

(5) 28.8 Vp-p/1-V

(6) 0.62 Vp-p/1-V

(7) 1.1 Vp-p/1-V

(8) 2.42 Vp-p/1-H

(9) 50.4 Vp-p/1-H

(10) 38.4 Vp-p/150KHz+AUDIO

(11) 16.4 Vp-p/AUDIO

(12) 2 Vp-p/1-H

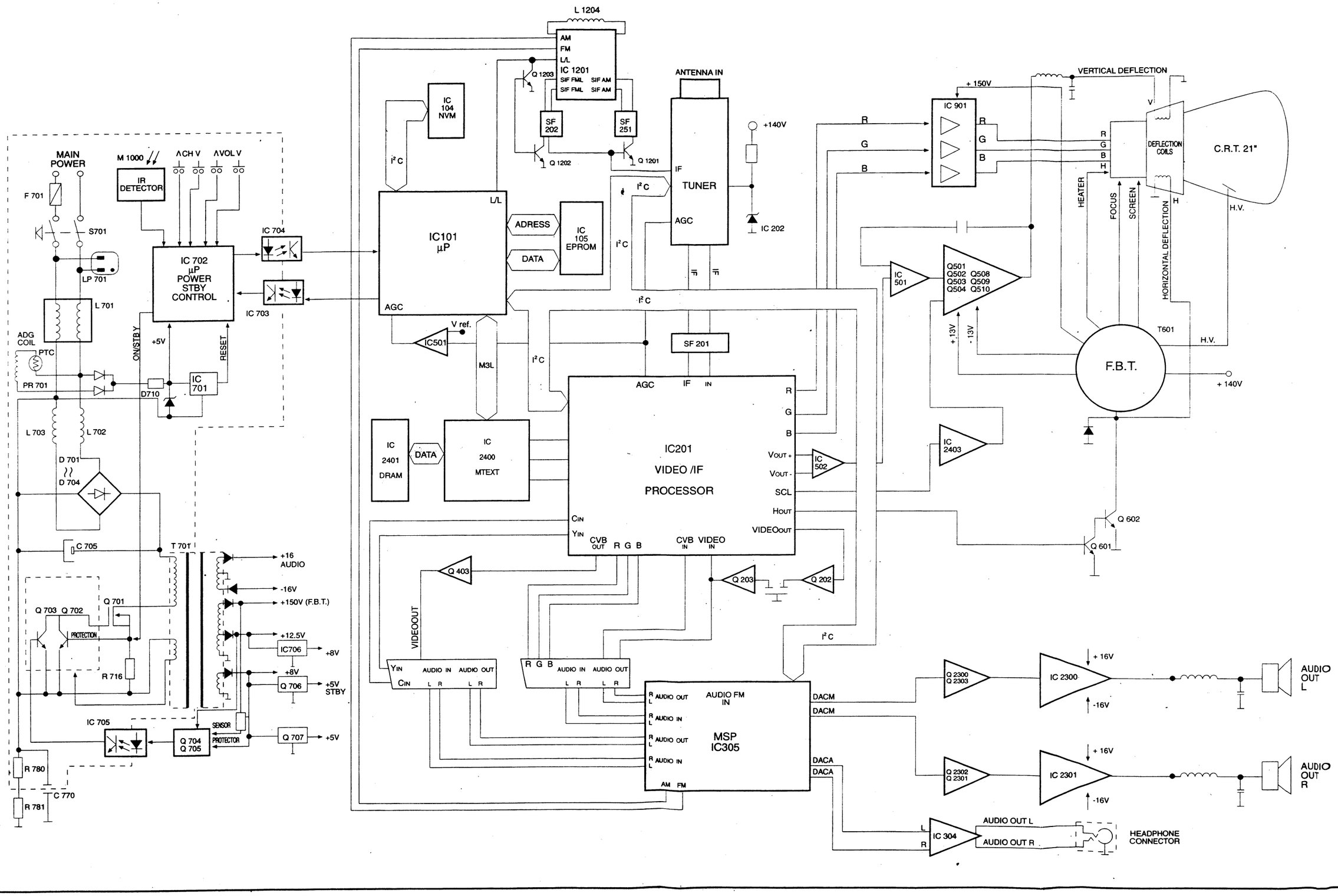
(13) 118 Vp-p/1-H

(14) 2Vp-p/1-H

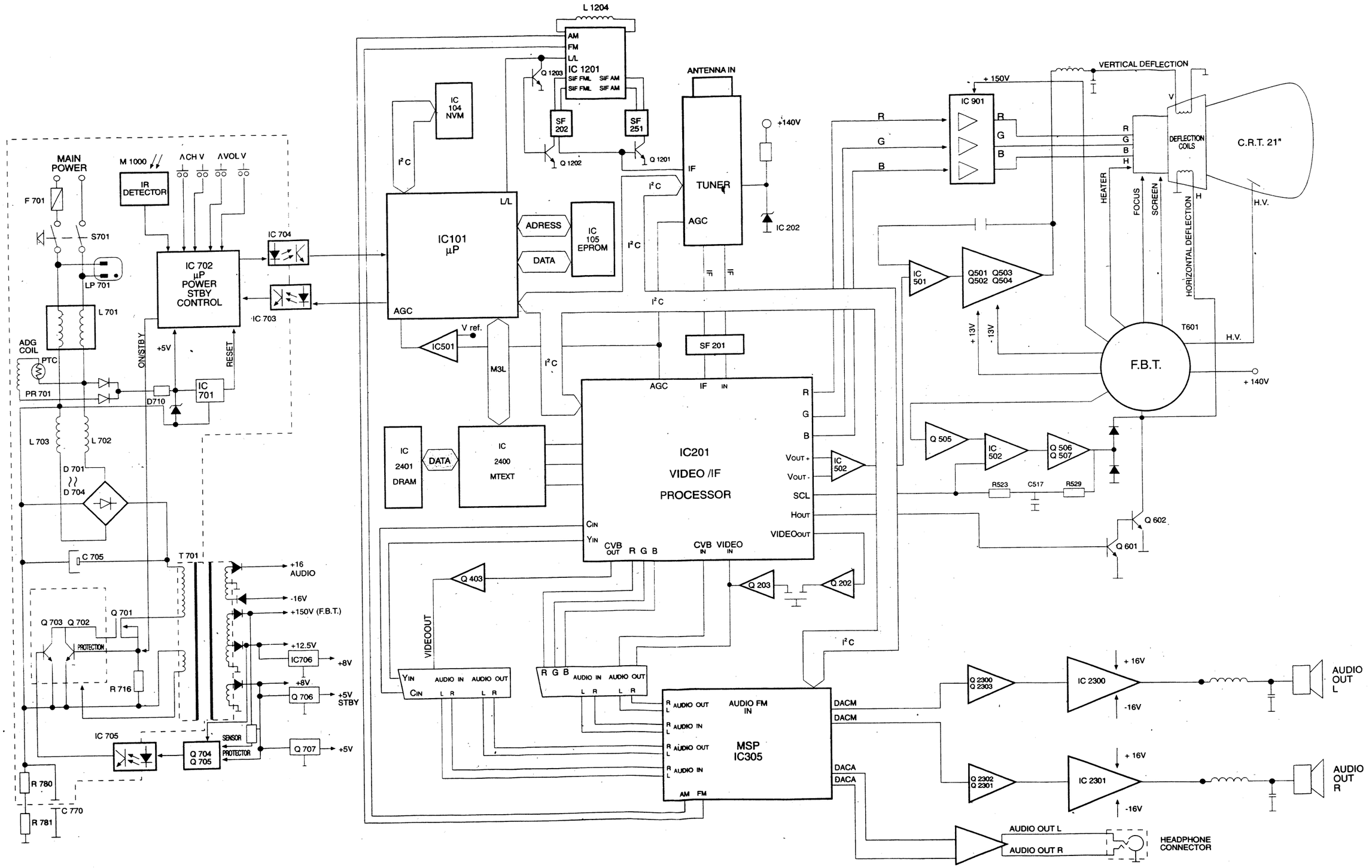
WB-A / PWB-B

9 10 11 12 13 14 15 16 17 18

BLOCK DIAGRAM 54DS-03FP



BLOCK DIAGRAM 70DS-03FP



PARTS LIST
REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by ⚠ in the Replacement Parts list.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted. Replacement parts not shown in this service manual may create shock fire, or other hazards.

HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

★ MARK: SPARE PARTS DELIVERY SECTION

REF. NO.	PARTS NO	★	DESCRIPTION	CODE
PICTURE TUBE				
⚠	VB51EAL15511N	S	C.R.T. 21"	CG
⚠	VB66EAK7111*N	S	C.R.T. 28"	CW
⚠	RCILG0408BMZZ	S	Degaussing Coil 21"	AP
⚠	CCILG0404BMV0	S	Degaussing Coil 28"	AV
PRINTED WIRING BOARDS				
PWB - A	DUNTK7236CJV6	S	Mother Unit 54DS03FP	—
PWB - A	DUNTK7215CJV6	S	Mother Unit 70DS03FP	—
PWB - B	DUNTK7237BMV6	S	Socket Unit 54DS03FP	—
PWB - B	DUNTK7216BMV6	S	Socket Unit 70DS03FP	—
PWB - C	DUNTK7233BMV0	S	I.F. Unit	—
	DSETU7215CJV6	S	Complete Chassis 70DS03FP	—
	DSETU7236CJV6	S	Complete Chassis 54DS03FP	—
PWB - A	**MOTHER UNIT**			
TUNER				
TU 0201	RTUNH0135BMZZ	S	Tuner	BF
INTEGRATED CIRCUITS				
IC 0101	RH-IX1629BMZZ	S	SAB-C161K-L16Q	AY
IC 0102	VHIPST529C2-1	S	PST529C	AD
IC 0104	RH-IX1588BMZZ	S	NVM 24C16	AQ
IC 0105	CH-IX1600CJF2	S	EPROM 54DS03FP	AX
IC 0105	CH-IX1600CJF1	S	EPROM 70DS03FP	AX
IC 0106	RH-IX1635BMZZ	S	STV5346	AY
IC 0201	VHITDA8844/-1	S	TDA8844	BD
IC 0202	RH-IX0037CEZZ	S	UPC574J 33V	AD
IC 0304	VHIM5218L//-1	S	M5218L	AF
IC 0305	RH-IX1636BMZZ	S	MSP3410D PSDIP64	BD
IC 0501	RH-IX1556BMZZ	S	BA10393	AD
IC 0502	VHIBA4558//-1	S	BA4558	AC
IC 0701	VHIPST529C2-1	S	PST529C	AD
IC 0702	RH-IX1646BMZZ	S	ST6203B	AL
⚠ IC 0703	RH-FX0103BMZZ	S	MOC8105SR2V	AD
⚠ IC 0704	RH-FX0103BMZZ	S	MOC8105SR2V	AD
⚠ IC 0705	RH-FX0103BMZZ	S	MOC8105SR2V	AD
IC 0706	RH-IX1478BMZZ	S	L7808	AE
IC 2300	VHITDA7480/-1	S	TDA7480	AM
IC 2301	VHITDA7480/-1	S	TDA7480	AM
IC 2403	RH-IX1556BMZZ	S	BA10393	AD
TRANSISTORS				
Q 0110	VS2SC2412KQ-1	S	2SC2412	AA
Q 0111	VS2SA1037KQ-1	S	BC807	AA
Q 0112	VS2SC2412KQ-1	S	2SC2412	AA
Q 0113	VS2SC2412KQ-1	S	2SC2412	AA
Q 0114	VS2SC2412KQ-1	S	2SC2412	AA
Q 0115	VS2SC2412KQ-1	S	2SC2412	AA
Q 0202	VS2SC2412KQ-1	S	2SC2412	AA
Q 0203	VS2SC2412KQ-1	S	2SC2412	AA
Q 0302	VS2SC2412KQ-1	S	2SC2412	AA
Q 0303	VS2SC2412KQ-1	S	2SC2412	AA
Q 0315	VS2SC2412KQ-1	S	2SC2412	AA
Q 0403	VS2SC2412KQ-1	S	2SC2412	AA
Q 0501	RH-TX0171BMZZ	J	IRFR9020TM	AF
Q 0502	RH-TX0193BMZZ	S	IRFR110TM 54DS03FP	AH
Q 0502	RH-TX0172BMZZ	J	IRFR010TM 70DS03FP	AE
Q 0503	VS2SC2412KQ-1	S	2SC2412	AA
Q 0504	VS2SA1037KQ-1	S	BC807	AA
Q 0505	VS2SC2412KQ-1	S	2SC2412	AA
Q 0506	RH-TX0151BMZZ	S	2SD2391Q	AD
Q 0507	RH-TX0152BMZZ	S	BC846BLT1	AA
Q 0508	RH-TX0149BMZZ	S	2SB1561	AD
Q 0509	RH-TX0195BMZZ	S	IRFU9120TU	AH
Q 0510	VS2SC2412KQ-1	S	2SC2412	AA
Q 0601	RH-TX0146BMZZ	S	2SD2153T100/W	AD
Q 0602	RH-TX0144BMZZ	S	BUH 515 70DS03FP	AK
Q 0602	RH-TX0125BMZZ	S	BU508AFI 54DS03FP	AM
Q 0701	RH-TX0166BMZZ	S	2SK2605	AK
Q 0702	RH-TX0102BMZZ	S	BC338	AB
Q 0703	RH-TX0102BMZZ	S	BC338	AB
Q 0704	VS2SA1037KQ-1	S	BC807	AA
Q 0705	VS2SC2412KQ-1	S	2SC2412	AA
Q 0706	RH-TX0130BMZZ	S	BC338-40	AB
Q 0707	RH-TX0130BMZZ	S	BC338-40	AB
Q 0708	VS2SC2412KQ-1	S	2SC2412	AA
Q 0709	VS2SC2412KQ-1	S	2SC2412	AA
Q 2300	VS2SC2412KQ-1	S	2SC2412	AA
Q 2301	VS2SC2412KQ-1	S	2SC2412	AA
Q 2302	VS2SC2412KQ-1	S	2SC2412	AA
Q 2303	VS2SC2412KQ-1	S	2SC2412	AA
DIODES				
D 0103	RH-DX0551BMZZ	S	LL4148	AA
D 0104	RH-DX0551BMZZ	S	LL4148	AA
D 0105	RH-DX0551BMZZ	S	LL4148	AA
D 0106	RH-DX0551BMZZ	S	LL4148	AA
D 0113	RH-EX0409BMZZ	S	Zener BZX79C5V6	AA
D 0114	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 0115	RH-EX0550BMZZ	S	Zener TZMC8V2	AA
D 0116	RH-EX0550BMZZ	S	Zener TZMC8V2	AA
D 0117	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 0118	RH-EX0546BMZZ	S	Zener TZMC5V6	AA
D 0201	RH-DX0045BMZZ	S	1N4148	AA
D 0251	RH-DX0045BMZZ	S	1N4148	AA
D 0330	RH-EX0414BMZZ	S	Zener BZX79C9V1	AA
D 0401	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0402	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB
D 0403	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB
D 0404	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB
D 0503	RH-EX0423BMZZ	S	Zener BZX79C22V	AB
D 0504	RH-EX0418BMZZ	S	Zener BZX79C13V	AB
D 0506	RH-DX0045BMZZ	S	1N4148	AA
D 0507	RH-DX0045BMZZ	S	1N4148	AA
D 0508	RH-DX0045BMZZ	S	1N4148	AA
D 0509	RH-DX0045BMZZ	S	1N4148	AA
D 0510	RH-DX0505BMZZ	S	1N4935	AB
D 0511	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 0512	RH-DX0045BMZZ	S	1N4148	AA
D 0513	RH-DX0045BMZZ	S	1N4148	AA
D 0514	RH-DX0045BMZZ	S	1N4148	AA
D 0515	RH-EX0413BMZZ	S	Zener BZX79C8V2	AB
D 0516	RH-DX0505BMZZ	S	1N4935	AB
D 0517	RH-EX0558BMZZ	S	Zener TZMC18	AA
D 0518	RH-EX0421BMZZ	S	Zener BZX79C18V	AA
D 0520	RH-DX0551BMZZ	S	LL4148	AA
D 0521	RH-EX0550BMZZ	S	Zener TZMC8V2	AA
D 0522	RH-EX0550BMZZ	S	Zener TZMC8V2	AA
D 0523	RH-DX0599BMZZ	S	BYG20D	AB

REF. NO.	PARTS NO	★	DESCRIPTION	CODE
D 0524	RH-DX0599BMZZ	S	BYG20D	AB
D 0525	RH-DX0599BMZZ	S	BYG20D	AB
D 0526	RH-DX0599BMZZ	S	BYG20D	AB
D 0527	RH-EX0556BMZZ	S	Zener TZMC15	AA
D 0601	RH-DX0551BMZZ	S	LL4148	AA
D 0602	RH-DX0504BMZZ	S	1N4934	AB
D 0603	RH-DX0299BMZZ	S	BY 228-20	AE
D 0604	RH-DX0301BMZZ	S	BY 299	AD
D 0605	RH-DX0591BMZZ	S	RGP10A 50V	AB
D 0607	RH-DX0045BMZZ	S	1N4148	AA
D 0608	RH-DX0593BMZZ	S	RGP10D 200V	AB
D 0609	RH-DX0593BMZZ	S	RGP10D 200V	AB
D 0610	RH-DX0506BMZZ	S	1N4936	AB
D 0611	RH-DX0506BMZZ	S	1N4936	AB
D 0612	RH-DX0505BMZZ	S	1N4935	AB
D 0613	RH-DX0506BMZZ	S	1N4936	AB
D 0701	RH-DX0555BMZZ	S	RF2005	AB
D 0702	RH-DX0555BMZZ	S	RF2005	AB
D 0703	RH-DX0555BMZZ	S	RF2005	AB
D 0704	RH-DX0555BMZZ	S	RF2005	AB
D 0706	RH-DX0045BMZZ	S	1N4148	AA
D 0707	RH-DX0502BMZZ	S	1N4005	AA
D 0708	RH-DX0502BMZZ	S	1N4005	AA
D 0709	RH-DX0502BMZZ	S	1N4005	AA
D 0710	RH-EX0408BMZZ	S	Zener BZX79C5V1	AB
D 0711	RH-DX0539BMZZ	S	BYT52M	AC
D 0712	RH-EX0419BMZZ	S	Zener BZX79C15V 0.4W	AB
D 0713	RH-DX0045BMZZ	S	1N4148	AA
D 0715	RH-DX0045BMZZ	S	1N4148	AA
D 0716	RH-EX0409BMZZ	S	Zener BZX79C5V6	AA
D 0717	RH-EX0482BMZZ	S	Zener BZX79 B6V2 54DS03FP	AA
D 0717	RH-EX0810BMZZ	S	Zener BZX79 A6V2 70DS03FP	AC
D 0718	RH-DX0505BMZZ	S	1N4935	AB
D 0719	RH-DX0505BMZZ	S	1N4935	AB
D 0720	RH-DX0561BMZZ	S	RGP15J	AD
D 0721	RH-DX0590BMZZ	S	MBR1100RL	AE
D 0722	RH-DX0519BMZZ	S	1N5819	AD
D 0724	RH-EX0539BMZZ	S	Zener TZMC3V0 54DS03FP	AA
D 0724	RH-EX0540BMZZ	S	Zener TZMC3V3 70DS03FP	AB
D 0725	RH-EX0481BMZZ	S	Zener BZX79 B5V6	AB
D 0726	RH-DX0045BMZZ		1N4148	AA
D 0727	RH-DX0045BMZZ	S	1N4148	AA
D 0730	RH-DX0045BMZZ	S	1N4148	AA
D 0801	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB
D 0802	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB
D 0803	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB
D 0804	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB
D 0805	RH-DX0045BMZZ	S	1N4148	AA
D 0806	RH-DX0045BMZZ	S	1N4148	AA
D 0809	RH-EX0412BMZZ	S	Zener BZX79C7V5	AB
D 0810	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0811	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0812	RH-EX0549BMZZ	S	Zener TZMC7V5	AA
D 0813	RH-DX0045BMZZ	S	1N4148	AA
D 0824	RH-DX0045BMZZ	S	1N4148	AA
LED0301	RH-PX0105BMZZ	S	LED	AC
	PACKADGED CIRCUITS			
⚠ POR0701	RMPTP0028CEZZ	S	P.T.C.	AG
X 0101	RCRSB0235BMZZ	S	Crystal 16 MHz	AF
X 0102	RCRSB0227BMZZ	S	Crystal 13.875 MHz	AG
X 0301	RCRSB0203BMZZ	S	Crystal 18.432 MHz	AG
X 0801	RCRSB0115BMZZ	S	Crystal 4.43 MHz	AG
X 0802	RCRSB0009PEZZ	S	Crystal	AL
	COILS			
L 0201	VP-DF121K0000	S	120µH	AB
L 0203	VP-DF120K0000	S	12µH	AB
L 0301	VP-DF100K0000	S	10µH	AB
L 0303	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA
L 0304	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA
L 0305	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA
L 0306	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA
L 0307	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA
L 0308	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA
L 0309	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA
L 0310	VRS-TQ2BD101J	S	100 1/8W Metal Oxide	AA
L 0311	RCILP0197CEZZ	S	Peaking Coil	AC
L 0312	RCILP0197CEZZ	S	Peaking Coil	AC
L 0313	VP-CF3R3K0000	S	3.3µH	AB
L 0314	VP-CF3R3K0000	S	3.3µH	AB
L 0315	VP-CF3R3K0000	S	3.3µH	AB
L 0316	VP-CF3R3K0000	S	3.3µH	AB
L 0317	VP-DF3R3K0000	S	3.3µH	AB
L 0501	VP-CF3R3K0000	S	3.3µH	AB
L 0502	RCILP0105CEZZ	S	1mH	AG
L 0503	VP-CF3R3K0000	S	3.3µH	AB
L 0601	VP-DF4R7K0000	S	4.7µH	AB
L 0602	RCILP0199CEZZ	S	Peaking Coil	AC
L 0603	RCILP0104CEZZ	S	15mH	AG
L 0604	RCILP0105CEZZ	S	1mH	AG
L 0605	RCILZ0707BMZZ	S	Lineality Coil 54DS03FP	AH
L 0605	RCILZ0599CEZZ	S	Delay Line 70DS03FP	AG
L 0607	VP-DF3R3K0000	S	3.3µH	AB
⚠ L 0701	RCILF0111BMZZ	S	Main Filter	AL
T 0201	RCILD0238BMZZ	S	VCO Coil	AE
	CERAMIC FILTERS			
CF 0701	RFILC0121GEZZ	S	Filter 8 MHz	AD
CF 0202	RFILC0020CEZZ	S	Filter 5.5 MHz	AE
	TRANSFORMERS			
⚠ T 0601	RTRNF2049BMZZ	S	F.B.T. 70DS03FP	BA
⚠ T 0601	RTRNF2039BMZZ	S	F.B.T. 54DS03FP	BA
⚠ T 0701	RTRNZ0559BMZZ	S	Chopper 54DS03FP	AS
⚠ T 0701	RTRNZ0558BMZZ	S	Chopper 70DS03FP	AS
	CAPACITORS			
C 0101	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0102	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0103	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0105	VCCCTV1HH680J	S	68p 50V Ceramic	AA
C 0106	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 0108	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0109	VCEAGA1AW108M	S	1000 10V Electrolytic	AC
C 0110	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 0111	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 0112	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0113	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0114	VCCCTV1HH560J	S	56p 50V Ceramic	AA
C 0115	VCCCTV1HH560J	S	56p 50V Ceramic	AA
C 0116	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0117	VCEAGA1AW107M	S	100 10V Electrolytic	AA
C 0119	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0124	VCEAGA0JW477M	S	470 6.3V Electrolytic	AB
C 0125	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0126	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0127	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0128	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0129	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0132	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0133	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0137	VCCCPA1HH470J	S	47p 50V Ceramic	AA
C 0201	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 0202	VCCCTV1HH270J	S	27p 50V Ceramic	AA
C 0203	VCKYTV1HB221K	S	220p 50V Ceramic	AA
C 0204	VCEAGA1CW476M	S	47 16V Electrolytic	AB
C 0205	VCEAGA1AW477M	S	470 10V Electrolytic	AB
C 0207	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA
C 0208	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 0209	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0210	VCEAGA1CW476M	S	47 16V Electrolytic	AB
C 0211	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 0212	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA
C 0213	VCKYTV1HF223Z	S	0.022 50V Ceramic	AA

REF. NO.	PARTS NO	★	DESCRIPTION	CODE
C 0214	VCEAGA1CW107M	S	100 16V Electrolytic	AB
C 0215	VCKYTV1HF473Z	S	0.047 50V Ceramic	AA
C 0216	VCKYTV1HF473Z	S	0.047 50V Ceramic	AA
C 0280	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0281	VCEAGA1HW475M	S	4.7 50V Electrolytic	AC
C 0286	VCCSPA1HL221J	S	220p 50V Ceramic	AA
C 0301	VCEAGA1CW476M	S	47 16V Electrolytic	AB
C 0302	VCKYTV1HB332K	S	3300p 50V Ceramic	AA
C 0303	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0308	VCKYTV1HB471K	S	470p 50V Ceramic	AA
C 0309	VCCCTV1HH470J	S	47p 50V Ceramic	AA
C 0310	VCCCTV1HH470J	S	47p 50V Ceramic	AA
C 0311	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0312	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0313	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0314	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC
C 0315	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC
C 0316	VCKYTV1HB471K	S	470p 50V Ceramic	AA
C 0317	VCEAGA1HW335M	S	3.3 50V Electrolytic	AA
C 0318	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0319	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0320	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0321	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0322	VCEAGA1AW337M	S	330 10V Electrolytic	AB
C 0323	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 0324	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 0325	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0326	VCEAGA1AW337M	S	330 10V Electrolytic	AB
C 0327	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0328	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0329	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0330	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0331	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0332	VCKYTV1HB391K	S	390p 50V Ceramic	AA
C 0333	VCKYTV1HB391K	S	390p 50V Ceramic	AA
C 0339	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0340	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0341	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0342	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0343	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 0344	VCEAGA1CW226M	S	22 16V Electrolytic	AA
C 0345	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC
C 0346	RC-FZ9334BMNJ	J	0.33 63V Mylar	AC
C 0347	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0348	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0349	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0350	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0351	VCEAGA1EW228M	S	2200 25V Electrolytic	AF
C 0352	VCEAGA1EW228M	S	2200 25V Electrolytic	AF
C 0353	VCEAGA1EW228M	S	2200 25V Electrolytic	AF
C 0354	VCEAGA1EW228M	S	2200 25V Electrolytic	AF
C 0355	RC-FZ9105BMNJ	J	1 63V Mylar	AD
C 0356	RC-FZ9105BMNJ	J	1 63V Mylar	AD
C 0357	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 0371	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0372	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0378	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0379	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0380	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0381	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0382	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0383	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0384	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0394	VCKYTV1HB391K	S	390p 50V Ceramic	AA
C 0397	VCKYTV1HB391K	S	390p 50V Ceramic	AA
C 0401	VCKYTV1HF473Z	S	0.047 50V Ceramic	AA
C 0402	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0403	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 0408	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
C 0450	VCKYTV1HB391K	S	390p 50V Ceramic	AA
C 0451	VCKYTV1HB391K	S	390p 50V Ceramic	AA
C 0454	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0465	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0501	VCEAGA1EW227M	S	220 25V Electrolytic 70DS03FP	AA
C 0501	VCEAGA1EW337M	S	330 25V Electrolytic 54DS03FP	AA
C 0502	VCKYTV1HB331K	S	330p 50V Ceramic	AA
C 0503	VCEAGA1EW337M	S	330 25V Electrolytic	AA
C 0504	RC-FZ9224BMNJ	J	0.22 63V Mylar	AC
C 0506	VCKYTV1HB223K	S	0.022 50V Ceramic	AA
C 0508	VCCCTV1HH560J	S	56p 50V Ceramic	AA
C 0509	VCKYTV1HB392K	S	3900 50V Ceramic	AA
C 0510	VCKYTV1EB683K	S	0.068 25V Ceramic	AA
C 0512	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0514	VCKYTV1HB333K	S	0.033 50V Ceramic	AA
C 0515	VCKYPA1HB681K	S	680p 50V Ceramic	AA
C 0516	VCKYTV1HB331K	S	330p 50V Ceramic	AA
C 0517	VCKYTV1HB473K	S	0.047 50V Ceramic	AA
C 0518	VCCCTV1HH100D	S	10p 50V Ceramic	AA
C 0519	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0520	VCEAGA1JW107M	S	100 63V Electrolytic	AB
C 0521	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0522	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0523	RC-FZ5104BMNG	S	0.1 100V Mylar	AD
C 0524	VCKYTV1HB223K	S	0.022 50V Ceramic	AA
C 0525	VCEAGA1VW106M	S	10 35V Electrolytic	AA
C 0526	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 0527	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0528	VCKYTV1HB221K	S	220p 50V Ceramic	AA
C 0529	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0530	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0531	VCKYTV1HB221K	S	220p 50V Ceramic	AA
C 0532	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 0533	VCKYTV1HB471K	S	470p 50V Ceramic	AA
C 0534	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0535	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0538	VCCCTV1HH560J	S	56p 50V Ceramic	AA
C 0539	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0540	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0542	VCCCTV1HH271J	S	270p 50V Ceramic	AA
C 0543	VCCCTV1HH271J	S	270p 50V Ceramic	AA
C 0544	VCKYTV1HB332K	S	3300p 50V Ceramic	AA
C 0602	VCKYTV1HB472K	S	4700p 50V Ceramic	AA
C 0603	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 0605	VCEAGA1CW107M	S	100 16V Electrolytic	AB
C 0606	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 0607	VCEAGA1AW337M	S	330 10V Electrolytic	AB
C 0608	RC-FZ0147BMZZ	S	8200p 1.5KV Mylar 54DS03FP	AE
C 0608	RC-FZ0152BMZZ	S	0.012 1.5KV Mylar 70DS03FP	AD
C 0609	RC-KZ0040CEZZ	S	820p 2KV Ceramic	AD
C 0610	VCQPSC2GA273K	J	0.027 400V Mylar	AB
C 0611	RC-FZ6474BMNJ	J	0.47 250V Mylar	AE
C 0613	RC-FZ6684BMNJ	S	0.68 250V Mylar	AE
C 0614	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0615	VCEAGA1EW477M	S	470 25V Electrolytic	AD
C 0616	VCEAGA1VW107M	S	100 35V Electrolytic 54DS03FP	AC
C 0616	VCEAGA1EW227M	S	220 25V Electrolytic 70DS03FP	AA
C 0617	VCEAGA2EW105M	S	1 250V Electrolytic	AC
C 0618	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 0619	VCEAGA2CW225M	S	2.2 160V Electrolytic	AB
C 0620	RC-FZ6474BMNJ	J	0.47 250V Mylar	AE
C 0621	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0701	RC-FZ0160BMZZ	S	0.47 275V Mylar	AF
C 0702	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 0705	RC-EZ0114BMZZ	S	220 385V Electrolytic	AS
C 0706	VCEAGA1CW226M	S	22 6V Electrolytic	AA
C 0707	VCEAGA1CW107M	S	100 16V Electrolytic	AB
C 0709	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0710	RC-KZ0029CEZZ	S	0.01 250V Ceramic	AC
C 0711	RC-KZ0039CEZZ	S	680p 2KV Ceramic	AB
C 0712	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 0713	RC-FZ9683BMNJ	J	0.068 63V Mylar	AB
C 0714	RC-FZ9153BMNJ	J	0.015 63V Mylar	AB
C 0715	VCKYTV1HB331K	S	330p 50V Ceramic	AA
C 0716	VCKYTV1HB332K	S	3300p 50V Ceramic	AA
C 0717	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0718	VCEAGA1EW108M	S	1000 25V Electrolytic	AD
C 0719	VCEAGA1EW108M	S	1000 25V Electrolytic	AD
C 0720	RC-EZ0258CEZZ	S	100 200V Electrolytic	AH
C 0721	VCEAGA1EW477M	S	470 25V Electrolytic	AD
C 0722	VCEAGA1CW108M	S	1000 16V Electrolytic	AE

REF. NO.	PARTS NO	★	DESCRIPTION	CODE
C 0723	VCEAGA1AW477M	S	470 10V Electrolytic	AB
C 0724	VCEAGA1AW227M	S	220 10V Electrolytic	AB
C 0725	VCKYTV1HB472K	S	4700p 50V Ceramic	AA
C 0726	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 0727	RC-FZ9104BMNJ	J	0.1 63V Mylar	AB
C 0728	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
⚠ C 0770	RC-KZ0156CEZZ	S	3300p 4KV Ceramic	AD
C 0771	RC-KZ0036CEZZ	S	330p 2KV Ceramic	AC
C 0772	RC-KZ0036CEZZ	S	330p 2KV Ceramic	AC
C 0801	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 0802	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0803	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0804	VCKYTV1EF224Z	S	0.22 25V Ceramic	AA
C 0805	VCCCTV1HH180J	S	18p 50V Ceramic	AA
C 0806	VCKYTV1HB472K	S	4700p 50V Ceramic	AA
C 0807	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0808	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0809	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 0810	VCKYPA2HB332K	S	3300p 500V Ceramic	AB
C 0812	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 0815	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 0816	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0817	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0818	VCEAGA1CW106M	S	10 16V Electrolytic	AA
C 0819	VCCSPA1HL681J	S	680p 50V Ceramic	AB
C 0820	VCCCTV1HH180J	S	18p 50V Ceramic	AA
C 0821	RC-FZ9104BMNJ	S	0.1 63V Mylar	AB
C 0905	RC-FZ7104BMNJ	S	0.1 400V Mylar	AD
C 2300	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2301	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2302	VCKYTV1HB472K	S	4700p 50V Ceramic	AA
C 2303	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 2304	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2305	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2306	VCKYTV1HB561K	S	560p 50V Ceramic	AA
C 2307	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 2308	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2309	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 2310	VCKYTV1HB333K	S	0.033 50V Ceramic	AA
C 2311	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 2312	VCCCTV1HH101J	S	100p 50V Ceramic	AA
C 2313	VCKYTV1HB472K	S	4700p 50V Ceramic	AA
C 2314	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2315	VCKYTV1HB561K	S	560p 50V Ceramic	AA
C 2316	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2317	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2318	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2319	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2320	VCKYTV1HB333K	S	0.033 50V Ceramic	AA
C 2321	VCEAGA1HW225M	S	2.2 50V Electrolytic	AB
C 2322	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB
C 2323	VCKYTV1EF334Z	S	0.33 25V Ceramic	AB
C 2400	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
C 2414	VCKYTV1HB222K	S	2200p 50V Ceramic	AA
C 2415	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 2416	VCKYTV1HB222K	S	2200p 50V Ceramic	AA

RESISTORS

R 0102	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0103	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0104	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0105	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0106	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0107	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0108	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0109	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0110	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0111	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0112	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0113	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0114	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0115	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0116	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0117	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0118	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0119	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0120	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0122	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0123	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0124	VRD-RA2BE821J	S	820 1/8W Carbon	AA
R 0127	VRS-TV1JD392J	S	3.9K 1/10W Metal Oxide	AA
R 0128	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0129	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0130	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0131	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0132	VRD-RA2BE332J	S	3.3K 1/8W Carbon	AA
R 0133	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0137	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0138	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0139	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0140	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA
R 0141	VRS-TQ2BD332J	S	3.3K 1/8W Metal Oxide	AA
R 0161	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0164	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0166	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0170	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0171	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0172	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0173	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0174	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0175	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0176	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0177	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0179	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0180	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0181	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0182	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0184	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0185	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0186	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0190	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0201	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 0202	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 0203	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0205	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0206	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0207	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0208	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0209	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0210	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0212	VRD-RA2HD472J	S	4.7K 1/2W Carbon	AA
R 0213	VRD-RA2HD472J	S	4.7K 1/2W Carbon	AA
R 0214	VRD-RA2HD472J	S	4.7K 1/2W Carbon	AA
R 0215	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 0216	VRS-TV1JD220J	S	22 1/10W Metal Oxide	AA
R 0217	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0218	VRD-RA2BE470J	S	47 1/8W Carbon	AA
R 0219	VRD-RA2BE2R2J	S	2.2 1/8W Carbon	AA
R 0220	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 0221	VRS-TV1JD471J	S	470 1/10W Metal Oxide	AA
R 0222	VRD-RA2HD470J	S	47 1/4W Carbon	AA
R 0223	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 0224	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 0225	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0226	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0227	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0230	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0232	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0233	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0253	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0254	VRD-RA2BE822J	S	8.2K 1/8W Carbon	AA
R 0255	VRS-TV1JD752J	S	7.5K 1/10W Metal Oxide	AA
R 0256	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0257	VRD-RA2BE564J	S	560K 1/8W Carbon	AA
R 0301	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0302	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0303	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0304	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0305	RR-XZ0200BMZZ	S	1 1/2W Fuse Resistor	AB

54DS-03FP
70DS-03FP

REF. NO.	PARTS NO	★	DESCRIPTION	CODE
R 0307	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0308	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0314	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 0315	VRD-RA2BE221J	S	220 1/8W Carbon	AA
R 0316	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0317	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0318	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0319	VRD-RA2BE104J	S	100K 1/8W Carbon	AA
R 0320	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0321	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 0322	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 0323	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0324	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0327	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0328	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0329	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0330	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0369	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0371	VRD-RA2BE271J	S	270 1/8W Carbon	AA
R 0372	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0373	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0374	VRS-TV1JD121J	S	120 1/10W Metal Oxide	AA
R 0375	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0376	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0377	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0378	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0379	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0380	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0381	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0384	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0386	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0398	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0402	VRD-RA2HD680J	S	68 1/2W Carbon	AA
R 0403	VRD-RA2EE750J	S	75 1/4W Carbon	AA
R 0404	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
R 0408	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 0457	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0458	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0459	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0460	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0461	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0462	VCKYTV1HB473K	S	0.047 50V Ceramic	AA
R 0472	VCKYTV1HB473K	S	0.047 50V Ceramic	AA
R 0501	VRD-RA2HD681J	S	680 1/2W Carbon	AA
R 0503	VRD-RA2HDR56J	S	0.56 1/2W Carbon 70DS03FP	AA
R 0503	VRD-RA2HD1R0J	S	1 1/2W Carbon 54DS03FP	AA
R 0504	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0505	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0508	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0509	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0512	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 0513	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 0514	VRS-TV1JD391J	S	390 1/10W Metal Oxide	AA
R 0515	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0516	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 0518	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 0519	VRD-RA2HD104J	S	100K 1/2W Carbon	AA
R 0520	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0521	VRS-TV1JD562J	S	5.6K 1/10W Metal Oxide	AA
R 0522	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0523	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0524	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0525	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0526	VRS-TV1JD823J	S	82K 1/10W Metal Oxide	AA
R 0527	VRS-TV1JD823J	S	82K 1/10W Metal Oxide	AA
R 0528	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0529	VRS-TV1JD823J	S	82K 1/10W Metal Oxide	AA
R 0530	RR-XZ0200BMZZ	S	1 1/2W Fuse Resistor	AB
R 0531	VRS-TV1JD393F	S	39K 1/10W Metal Oxide	AA
R 0532	VRD-RA2BE101J	S	100 1/8W Carbon	AA
R 0533	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 0534	RR-XZ0124BMZZ		100 1/3W Fuse Resistor	AA
R 0536	VRS-VV3DB182J	S	1.8K 2W Metal Oxide	AA
R 0537	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0539	VRS-TV1JD181J	S	180 1/10W Metal Oxide	AA
R 0540	RR-XZ0206BMZZ	S	3.3 1/2W Fuse Resistor	AB
R 0541	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0542	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 0543	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 0544	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0545	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
R 0546	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0547	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0548	VRS-TQ2BD680J	S	68 1/8W Metal Oxide	AA
R 0557	RR-XZ0124BMZZ	S	100 1/3W Fuse Resistor	AA
R 0558	VRS-VV3DB270J	S	27 2W Metal Oxide	AA
R 0601	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA
R 0602	VRS-TV1JD821J	S	820 1/10W Metal Oxide	AA
R 0603	VRS-TV1JD681J	S	680 1/10W Metal Oxide	AA
R 0604	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0605	VRD-RA2BE222J	S	2.2K 1/8W Carbon	AA
R 0606	RR-XZ0116BMZZ	S	22 1/3W Fuse Resistor	AB
R 0607	VRD-RA2BE471J	S	470 1/8W Carbon	AA
R 0608	VRD-RA2HD152J	S	1.5K 1/2W Carbon	AA
R 0609	VRN-VV3AB5R6J	S	5.6 1W Metal Film 54DS03FP	AA
R 0609	VRN-VV3DB5R6J	S	5.6 2W Metal Film 70DS03FP	AX
R 0610	RR-XZ0218BMZZ	S	33 1/2W Fuse Resistor	AB
R 0611	RR-XZ0242BMZZ	S	3.3K 1/2W Fuse Resistor	AB
R 0613	VRS-VV3DB222J	S	2.2K 2W Metal Oxide	AA
R 0614	VRD-RA2BE472J	S	4.7K 1/8W Carbon	AA
R 0615	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 0616	VRN-VV3AB1R5J	S	1.5 1W Metal Film 54DS03FP	AA
R 0616	VRN-VV3AB2R7J	S	2.7 1W Metal Film 70DS03FP	AA
R 0617	RR-XZ0227BMZZ	S	180 1/2W Fuse Resistor	AB
R 0624	RR-XZ0242BMZZ	S	3.3K 1/2W Fuse Resistor	AB
R 0625	VRS-TV1JD474J	S	470K 1/10W Metal Oxide	AA
R 0626	VRS-TV1JD474J	S	470K 1/10W Metal Oxide	AA
R 0701	VRD-RA2HD124J	S	120K 1/2W Carbon	AA
R 0702	VRD-RA2HD124J	S	120K 1/2W Carbon	AA
R 0703	VRD-RA2HD104J	S	100K 1/2W Carbon	AA
R 0704	VRD-RA2HD683J	S	68K 1/2W Carbon	AA
R 0705	VRD-RA2HD683J	S	68K 1/2W Carbon	AA
R 0708	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0709	VRS-TQ2BD122J	S	1.2K 1/8W Metal Oxide	AA
R 0711	VRS-TV1JD182J	S	1.8K 1/10W Metal Oxide	AA
R 0712	VRS-TV1JD561J	S	560 1/10W Metal Oxide	AA
R 0713	VRD-RA2HD564J	S	560K 1/2W Carbon	AC
R 0714	VRD-RA2HD564J	S	560K 1/2W Carbon	AC
R 0715	VRD-RA2HD224J	S	220K 1/2W Carbon	AA
R 0716	VRN-VV3ABR33J	S	0.33 1W Metal Film 54DS03FP	AA
R 0716	VRN-VV3ABR47J	S	0.47 1W Metal Film 70DS03FP	AA
R 0717	VRD-RA2BE223J	S	22K 1/8W Carbon	AA
R 0718	VRD-RA2HD102J	S	1K 1/2W Carbon	AA
R 0719	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 0720	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0721	VRD-RA2HD104J	S	100K 1/2W Carbon	AA
R 0722	VRS-TV1JD330J	S	33 1/10W Metal Oxide	AA
R 0723	VRD-RA2HD122J	S	1.2K 1/2W Carbon	AA
R 0724	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0725	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0726	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 0727	VRS-TV1JD183F	S	18K 1/10W Metal Oxide 54DS03FP	AA
R 0727	VRS-TV1JD472F	S	4.7K 1/10W Metal Oxide 70DS03FP	AA
R 0728	VRSTQ2BD4992F	S	49.9K 1/4W Metal Oxide 70DS03FP	AA
R 0728	VRS-TW2ED223F	S	22K 1/4W Metal Oxide 54DS03FP	AA
R 0730	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 0731	VRS-TV1JD220J	S	22 1/10W Metal Oxide	AA
R 0732	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 0733	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0734	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0735	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 0736	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0737	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0738	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0739	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0740	VRS-TV1JD473J	S	47K 1/10W Metal Oxide	AA
R 0741	VRS-TV1JD332F	S	3.3K 1/10W Metal Oxide	AA
⚠ R 0780	VRC-UA2HG825K	S	8.2M 1/2W Solid	AA
⚠ R 0781	VRC-UA2HG825K	S	8.2M 1/2W Solid	AA
R 0782	VRD-RA2EE330J	S	33 1/4W Carbon	AA

REF. NO.	PARTS NO	★	DESCRIPTION	CODE
R 0783	VRS-TQ2BD330J	S	33 1/8W Metal Oxide	AA
R 0784	VRS-TW2ED223F	S	22K 1/4W Metal Oxide 54DS03FP	AA
R 0784	VRSTQ2BD4992F	S	49.9K 1/4W Metal Oxide 70DS03FP	AA
R 0787	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 0788	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0789	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0790	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0791	VRS-TV1JD183J	S	18K 1/10W Metal Oxide	AA
R 0792	VRD-RA2BE103J	S	10K 1/8W Carbon	AA
R 0801	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0802	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0803	VRS-TV1JD822J	S	8.2K 1/10W Metal Oxide	AA
R 0804	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0805	VRS-TV1JD104J	S	100K 1/10W Metal Oxide	AA
R 0806	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0808	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0809	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 0810	VRD-RA2EE750J	S	75 1/4W Carbon	AA
R 0811	VRD-RA2EE750J	S	75 1/4W Carbon	AA
R 0812	VRS-TQ2BD750J	S	75 1/8W Metal Oxide	AA
R 0813	VRS-TV1JD820J	S	82 1/10W Metal Oxide	AA
R 0814	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0816	VRD-RA2BE331J	S	330 1/8W Carbon	AA
R 0817	VRS-TV1JD750J	S	75 1/10W Metal Oxide	AA
R 0818	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0819	VRD-RA2BE154J	S	150K 1/8W Carbon	AA
R 0821	VRS-TV1JD184J	S	180K 1/10W Metal Oxide	AA
R 0822	VRD-RA2BE224J	S	220K 1/8W Carbon 70DS03FP	AA
R 0822	VRD-RA2HD123J	S	12K 1/2W Carbon 54DS03FP	AA
R 0823	VRD-RA2HD102J	S	1K 1/2W Carbon	AA
R 0825	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0827	VRD-RA2BE273J	S	27K 1/8W Carbon	AA
R 0828	VRS-TV1JD153J	S	15K 1/10W Metal Oxide	AA
R 0830	VRS-TV1JD124J	S	120K 1/10W Metal Oxide	AA
R 0831	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 0833	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0834	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0835	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 0836	VRS-TV1JD473J		47K 1/10W Metal Oxide	AA
R 0841	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0842	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 0843	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 2300	VRD-RA2HD151J	S	150 1/2W Carbon	AA
R 2301	VRS-TV1JD123F	S	12K 1/10W Metal Oxide	AA
R 2302	VRS-TV1JD824J	S	820K 1/10W Metal Oxide	AA
R 2303	VRS-TV1JD474J	S	470K 1/10W Metal Oxide	AA
R 2304	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 2305	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 2306	VRS-TV1JD333J	S	33K 1/10W Metal Oxide	AA
R 2307	VRS-TV1JD123F	S	12K 1/10W Metal Oxide	AA
R 2308	VRD-RA2HD151J	S	150 1/2W Carbon	AA
R 2309	VRS-TV1JD824J	S	820K 1/10W Metal Oxide	AA
R 2310	VRS-TV1JD474J	S	470K 1/10W Metal Oxide	AA
R 2311	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 2312	VRD-RA2BE102J	S	1K 1/8W Carbon	AA
R 2313	VRS-TV1JD333J	S	33K 1/10W Metal Oxide	AA
R 2315	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA
R 2316	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 2317	VRS-TV1JD123J	S	12K 1/10W Metal Oxide	AA
R 2319	VRS-TV1JD122J	S	1.2K 1/10W Metal Oxide	AA
R 2320	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 2321	VRS-TV1JD152J	S	1.5K 1/10W Metal Oxide	AA
R 2412	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 2413	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 2414	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 2415	VRS-TV1JD472J	S	4.7K 1/10W Metal Oxide	AA
R 2416	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 2417	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 2418	VRS-TV1JD103J	S	10K 1/10W Metal Oxide	AA
R 2419	VRS-TV1JD332J	S	3.3K 1/10W Metal Oxide	AA
J 0219	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
J 0388	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
J 0389	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA

REF. NO.	PARTS NO	★	DESCRIPTION	CODE
MISCELLANEOUS PARTS				
⚠ F 0701	QFS-C3226CEZZ	S	Fuse 3.15A 250V	AE
	QFSHD1009CEZZ	S	Fuse Holder 54DS03FP	AA
	QFSHD1010CEZZ	S	Fuse Holder 54DS03FP	AB
FH 0701	QFSHD1017CEZZ	S	Fuse Holder 70DS03FP	AA
FH 0702	QFSHD1018CEZZ	S	Fuse Holder 70DS03FP	AA
F 0601	QFS-J2521CEZZ	S	Fuse 2.5A 125V	AD
F 0602	QFS-J2521CEZZ	S	Fuse 2.5A 125V	AD
F 0704	QFS-J2521CEZZ	S	Fuse 2.5A 125V	AD
F 0705	QFS-J2521CEZZ	S	Fuse 2.5A 125V	AD
⚠ S 0701	QSW-P0600BMZZ	S	Power Switch	AL
S 0702	QSW-K0079GEZZ	S	Switch	AB
S 0703	QSW-K0079GEZZ	S	Switch	AB
S 0704	QSW-K0079GEZZ	S	Switch	AB
S 0705	QSW-K0079GEZZ	S	Switch	AB
(A)	QPLGN0304CEZZ	S	Connector	AB
(CNS)	QSOCN1067BMZZ	S	Connector	AE
(F)	QPLGN0505CEZZ	S	Connector	AB
(G)	QPLGN0207CEZZ	S	Connector	AA
(SP)	QPLGN0441CEZZ	S	Connector 4pin	AB
CN 0001	QSOCZ2107BMZZ	S	A / V Connector	AE
CN 0002	QSOCZ2107BMZZ	S	A / V Connector	AE
CN 0003	QJAKJ0047CEZZ	S	Earphone Jack	AG
FB 0101	RCORF0003GEZZ	S	Ferrite	AC
FB 0102	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0103	VRS-TQ2BD000J	S	Jumper	AA
FB 0104	VRS-TQ2BD000J	S	Jumper	AA
FB 0105	RCORF0003GEZZ	S	Ferrite	AC
FB 0106	RCORF0003GEZZ	S	Ferrite	AC
FB 0301	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0302	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0701	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0702	RBLN-0037CEZZ	S	Ferrite Bead	AB
FB 0703	RBLN-0037CEZZ	S	Ferrite Bead	AB
IC 0105	QSOCZ2051SC32	S	Socket 32 PIN	AC
LP 0701	RLAMP0001BMZZ	S	Neon	AC
MISCELLANEOUS PARTS				
(IF)	QPLGN0885CEZZ	S	Connector	AD
PWB-B	**SOCKET UNIT**			
INTEGRATED CIRCUITS				
IC 0901	VHITDA6107Q-1	S	TDA6107Q	AM
DIODES				
D 0901	RH-DX0501BMZZ	S	1N4004	AA
COILS				
L 0901	RBLN-0037CEZZ	S	Ferrite Bead	AB
CAPACITORS				
C 0901	VCEAGA2DW476M	S	47 200V Electrolytic	AE
C 0902	RC-KZ0023CEZZ	S	4700p 2KV Ceramic	AD
C 0904	RC-FZ7104BMNJ	J	0.1 400V Mylar	AD
C 0906	VCCCTV1HH120J	S	12p 50V Ceramic	AA
C 0907	VCCCTV1HH120J	S	12p 50V Ceramic	AA
C 0908	VCCCTV1HH120J	S	12p 50V Ceramic	AA
RESISTORS				
R 0901	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0902	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0903	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0904	VRS-TV1JD000J	S	0 1/10W Metal Oxide	AA
R 0906	VRD-RA2HD152J	S	1.5K 1/2W Carbon	AA
R 0907	VRD-RA2HD152J	S	1.5K 1/2W Carbon	AA
R 0908	VRD-RA2HD152J	S	1.5K 1/2W Carbon	AA
R 0909	VRD-RA2HD225J	S	2.2M 1/2W Carbon	AA

REF. NO.	PARTS NO	★	DESCRIPTION	CODE
MISCELLANEOUS PARTS				
⚠	QSOCN0660BMZZ	S	C.R.T. Socket 70DS03FP	AD
⚠	QSOCN0460BMZZ	S	C.R.T. Socket 54DS03FP	AC
(L3)	QTIPM0017CEFM	S	TIP	AA
PWB-C	**IF UNIT**			
INTEGRATED CIRCUITS				
IC 1201	RH-IX1612BMZZ	S	TDA6930X	AS
TRANSISTORS				
Q 1201	RH-TX0116BMZZ	S	TRANSISTOR	AC
Q 1202	VS2SC2412KQ-1	S	2SC2412	AA
Q 1203	VS2SC2412KQ-1	S	2SC2412	AA
DIODES				
D 1201	RH-DX0045BMZZ	S	1N4148	AA
D 1202	RH-DX0560BMZZ	S	BA482	AB
D 1203	RH-DX0560BMZZ	S	BA482	AB
COILS				
L 1202	VRS-TQ2BD000J	S	Jumper	AA
L 1204	RCILD0237BMZZ	S	Peaking Coil	AF
CERAMIC FILTERS				
SF 0201	RFILC0278BMZZ	S	Saw Filter	AM
SF 0201	RFILC0271BMZZ	S	Saw Filter	AQ
SF 0203	RFILC0278BMZZ	S	Saw Filter	AM
CAPACITORS				
C 1201	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1202	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1203	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1205	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1206	VCCCTV1HH680J	S	68p 50V Ceramic	AA
C 1207	VCKYTV1HB102K	S	1000p 50V Ceramic	AA
C 1208	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 1209	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 1210	VCEAGA1HW105M	S	1 50V Electrolytic	AA
C 1211	VCKYTV1HB472K	S	4700p 50V Ceramic	AA
C 1212	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 1213	VCEAGA1CW476M	S	47 16V Electrolytic	AB
C 1214	VCKYTV1HF104Z	S	0.1 50V Ceramic	AA
C 1215	VCKYTV1HF103Z	S	0.01 50V Ceramic	AA
C 1218	VCKYTV1HB103K	S	0.01 50V Ceramic	AA
C 1219	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 1220	VCCCTV1HH220J	S	22p 50V Ceramic	AA
C 1221	VCCCTV1HH150J	S	15p 50V Ceramic	AA
C 1224	VCKYTV1HB223K	S	0.022 50V Ceramic	AA
RESISTORS				
R 1201	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1202	VRS-TV1JD272J	S	2.7K 1/10W Metal Oxide	AA
R 1203	VRS-TV1JD470J	S	47 1/10W Metal Oxide	AA
R 1204	VRS-TV1JD101J	S	100 1/10W Metal Oxide	AA
R 1205	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 1206	VRS-TV1JD221J	S	220 1/10W Metal Oxide	AA
R 1207	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
R 1208	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1209	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1210	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1211	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1212	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 1213	VRS-TV1JD222J	S	2.2K 1/10W Metal Oxide	AA
R 1214	VRS-TV1JD682J	S	6.8K 1/10W Metal Oxide	AA
R 1215	VRS-TV1JD102J	S	1K 1/10W Metal Oxide	AA
R 1216	VRS-TV1JD331J	S	330 1/10W Metal Oxide	AA
R 1217	VRS-TV1JD151J	S	150 1/10W Metal Oxide	AA
R 1219	VRS-TV1JD223J	S	22K 1/10W Metal Oxide	AA
MISCELLANEOUS PARTS				
⚠	QACCZ2100BMSA	S	AC Cord	AR
	VSP1306PB067S	S	Speaker 12W 8ohms	AR
M 0100	RRMCU0201BMZZ	S	Remote Control Unit	AN
	TINS-6503BMN0	S	Instruction Manual	AR
CABINET PARTS				
1	CCABA1208BMV0	S	Front Cabinet 54DS03FP	BG
1	CCABA1200BMV0	S	Front Cabinet 70DS03FP	BH
1 - 1	GDORF1047BMSA	S	Door 54DS03FP	AE
1 - 1	GDORF1045BMSC	S	Door 70DS03FP	AF
1 - 2	GMADT1069BMSA	S	Window 54DS03FP	AF
1 - 2	GMADT1066BMSA	S	Window 70DS03FP	AF
1 - 3	HBDGB3508BMSA	S	Badge SHARP 54DS03FP	AH
1 - 3	HBDGB3013MESA	S	Badge SHARP 70DS03FP	AG
1 - 4	HDECQ0011BMSA	S	Window Power 54DS03FP	AB
1 - 4	HDECQ0006BMSA	S	Window Power 70DS03FP	AC
1 - 5	JBTN-1032BMSA	S	Button Power 54DS03FP	AD
1 - 5	JBTN-1029BMSC	S	Button Power 70DS03FP	AC
1 - 6	JBTN-1033BMSA	S	Button Up/Down 54DS03FP	AC
1 - 6	JBTN-1028BMSC	S	Button Up/Down 70DS03FP	AE
1 - 7	HDECQ0025BMSA	S	Window LED 54DS03FP	AD
1 - 7	HDECQ0034BMSA	S	Window LED 70DS03FP	AD
1 - 8	HINDP5090BMSA	S	Indicator 54DS03FP	AD
1 - 8	HINDP5087BMSA	S	Indicator 70DS03FP	AD
2	CCABB1070BMV0	S	Rear Cabinet 54DS03FP	BA
2	CCABB1062BMV0	S	Rear Cabinet 70DS03FP	BB